

Docket No. 501.42822X00
Serial No. 10/618,748
Office Action dated April 23, 2007

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior listings, and all prior versions, of claims in the application.

LISTING OF CLAIMS:

1. (Previously Presented) A liquid crystal display device comprising a first substrate, a second substrate, a liquid crystal layer between the first substrate and the second substrate, wherein

the first substrate has a pixel area, a peripheral area, gate lines, drain lines, first gate connecting lines, second gate connecting lines, a first insulating film, and a second insulating film,

the pixel area includes pixel electrodes, the gate lines and the drain lines,

the peripheral area surrounds the pixel area,

the gate lines include first gate lines and second gate lines,

first gate connecting lines and second gate connecting lines are disposed in the peripheral area,

the respective first gate connecting lines electrically connect the first gate lines to a liquid crystal driving circuit,

the respective second gate connecting lines electrically connect the second gate lines to the liquid crystal driving circuit,

the first insulating film insulates the first gate connecting lines from the second gate connecting lines,

the first gate connecting lines and the second gate connecting lines are stacked in a thickness direction of the first substrate,

the second insulating film is formed as a higher layer than the first gate connecting lines and the second gate connecting lines within the first substrate, and

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the second insulating film expands from the peripheral area to the pixel area.

2. (Previously Presented) A liquid crystal display device according to claim 1, wherein the first gate lines are more distant from the liquid crystal driving circuit than are the second gate lines, and the first gate connecting lines are positioned at a higher level than are the second gate connecting lines within the first substrate.

3 - 7. (Cancelled).

8. (Previously Presented) A liquid crystal display device according to claim 1, wherein one of the first gate connecting lines and one of the second gate connecting lines overlap one another when viewed in plan view.

9. (Previously Presented) A liquid crystal display device according to claim 1, wherein one of the first gate connecting lines is disposed between the two second gate connecting lines which are adjacent one another when viewed in plan view.

10. (Previously Presented) A liquid crystal display device comprising a first substrate, a second substrate, a liquid crystal layer between the first substrate and the second substrate, wherein

the first substrate has a pixel area, a peripheral area, gate lines, drain lines, first gate connecting lines, and second gate connecting lines,

the pixel area includes pixel electrodes, gate lines, and drain lines,

the peripheral area surrounds the pixel area,

the gate lines include first gate lines and second gate lines,

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the first gate connecting lines and the second gate connecting lines are disposed in the peripheral area,

the respective first gate connecting lines electrically connect the first gate lines to a liquid crystal driving circuit,

the respective second gate connecting lines electrically connect the second gate lines to the liquid crystal driving circuit,

the first gate connecting lines and the second gate connecting lines are stacked in a thickness direction of the first substrate and are insulated each other, and

one of the first gate connecting lines is disposed between two second gate connecting lines which are adjacent one another when viewed in plan view.

11. (Previously Presented) A liquid crystal display device comprising a first substrate, a second substrate, a third substrate, a fourth substrate, a first liquid crystal layer between the first substrate and the second substrate, and a second liquid crystal layer between the third substrate and the fourth substrate, wherein

the first substrate has a first pixel area, a first peripheral area, first gate connecting lines, and second gate connecting lines,

the third substrate has a second pixel area and a second peripheral area,

the first pixel area has first pixel electrodes, first gate lines, and first drain lines,

the first peripheral area surrounds the first pixel area,

the second pixel area has second pixel electrodes, second gate lines, and second drain lines,

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the second peripheral area surrounds the second pixel area,
the first gate connecting lines and the second gate connecting lines are
disposed in the first peripheral area,
the respective first gate connecting lines electrically connect the first
gate lines to a liquid crystal driving circuit,
the respective second gate connecting lines electrically connect the
second gate lines to the liquid crystal driving circuit, and
the first gate connecting lines and the second gate connecting lines are
stacked in a thickness direction of the first substrate and are insulated each other.

12. (Previously Presented) A liquid crystal display device according to
claim 11, wherein

the first substrate has a first insulating film and a second insulating film,
the first insulating film insulates the first gate connecting lines from the
second gate connecting lines,
the second insulating film is formed as a higher layer than the first gate
connecting lines and the second gate connecting lines within the first substrate, and
the second insulating film expands from the first peripheral area to the
first pixel area.

13 – 14. (Cancelled).